



KH-2017  
Patent

-1-

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with first class postage affixed, in an envelope addressed to Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on April 22, 2004.

Signature  
Rhonda L. Sanders

Date: April 22, 2004

Type or Print Name of Person Certifying

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the application of: Heinrich et al. )  
Serial No.10/727,247 ) Group Art Unit: 1742  
Filed: December 3, 2003 )  
For: Cemented Carbide Body Containing )  
Zirconium And Niobium )  
and Method of Making the Same ) Examiner:

ASSISTANT COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, it is requested that the references (a copy of each is enclosed) listed on the attached Form PTO/SB/08A be made of record in the above-identified application. If some of the documents have markings thereon, applicants do not intend to attach any significance to such markings.

This Information Disclosure Statement is being filed before the mailing of the first Office Action and hence, must be considered by the Patent Examiner. However, if any fees are necessary to enter this paper, the Commissioner is hereby authorized to charge the fees necessary to enter this paper and obtain consideration of the documents identified on the attached listing to Deposit Account No. 02-2267.

Respectfully submitted,

Stephen T. Belsheim  
Registration No. 28,688

179 Belle Forrest Circle Suite 102  
Nashville, Tennessee 37221  
Telephone 615 662 0100

APR 26 2004

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO-16181  
TRADEMA

Complete if Known

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

1

Application Number	10/727247
Filing Date	December 3, 2003
First Named Inventor	Heinrich et al.
Art Unit	1742
Examiner Name	

Attorney Docket Number KH-2017

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- RE. 34,180	02/16/93	Nemeth, deceased et al.	
		US- Re. 35,538	06/17/97	Akesson et al.	
		US- 3,999,954	12/28/76	Kolaska et al.	
		US- 4,145,213	03/20/79	Oskarsson et al.	
		US- 4,843,039	06/27/89	Akesson et al.	
		US- 5,447,549	09/05/95	Yoshimura	
		US- 5,503,925	04/02/96	Nakano et al.	
		US- 5,643,658	07/01/97	Uchino et al.	
		US- 5,746,803	05/05/98	Dunmead et al.	
		US- 2001/0006594A1	07/05/01	Shibata	
		US- 2003/0010166A1	01/16/03	Shibata	
		US- 2003/0129456A1	07/10/03	Usami et al.	
		US- 6,024,776	02/15/00	Heinrichget al.	
US-					

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		EP 0 360 567 B1	07/30/97	DOW CHEMICAL CO.		
		JP2002356734A	12/13/02	KYOCERA CORP.		
		JP10237650 A	09/08/98	SUMITOMO ELE.		
		JP02185941 A	07/20/90	TOSHIBA TUNGALOY		

Examiner Signature		Date Considered
--------------------	--	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.